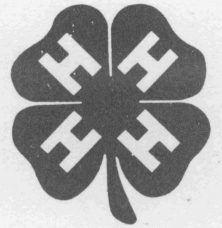


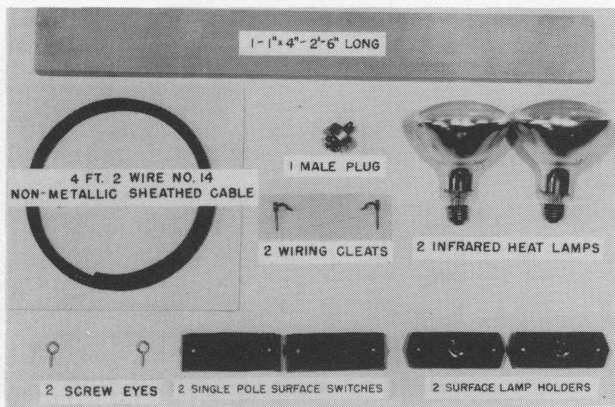
L-239  
4-H Demonstration Guide  
Farm Electrification Series



# BUILDING AN INFRARED BROODER FOR 50 TO 175 CHICKS

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W. S. Allen, Extension Agricultural Engineer  
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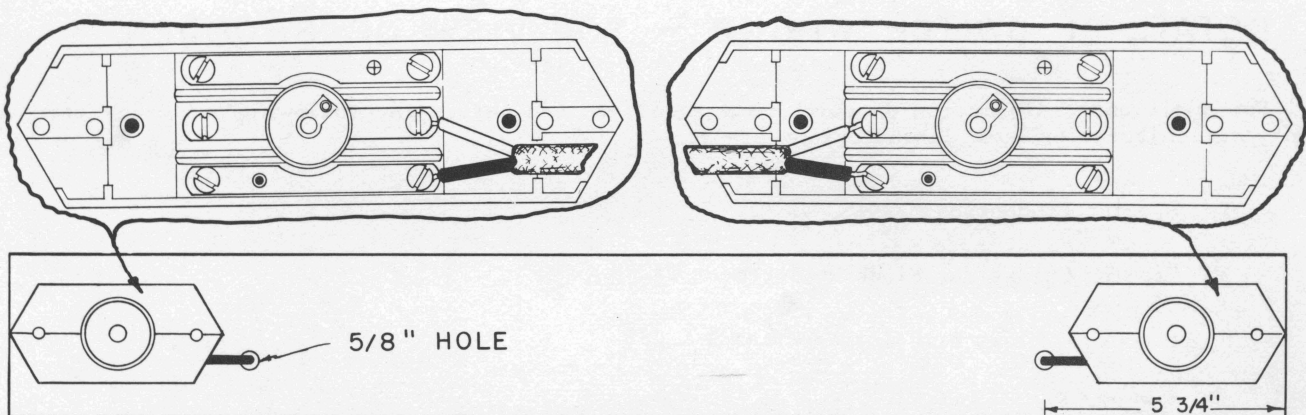
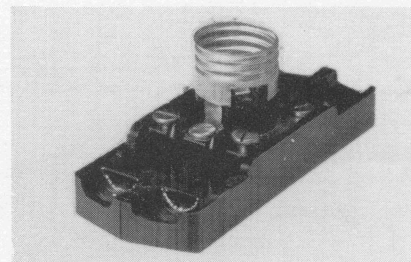
## THE MATERIALS



Add enough non-metallic sheathed cable to reach from brooder to power source.

## WHAT TO DO

1. Drill two 5/8" holes for the wire to go through as shown in the "detail of lamp holder wiring" diagram.
2. Remove the covers and install lamp holders A and B with the two screws which you find inside the cover.
3. Check the "detail of lamp holder wiring" diagram to determine which side of the holder the wire enters and break the knockouts in base and cover.



— DETAIL OF LAMP HOLDER WIRING —  
BOTTOM VIEW OF BROODER

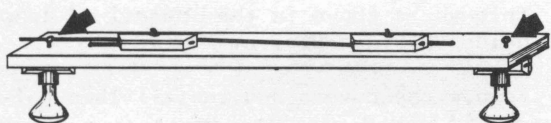
4. Install the wire - Fasten wire to terminals -

This Way

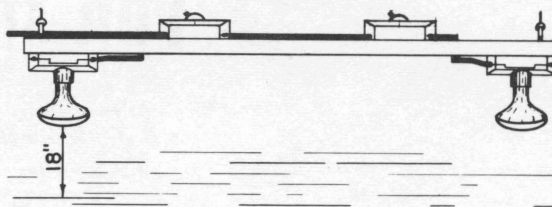
Not This



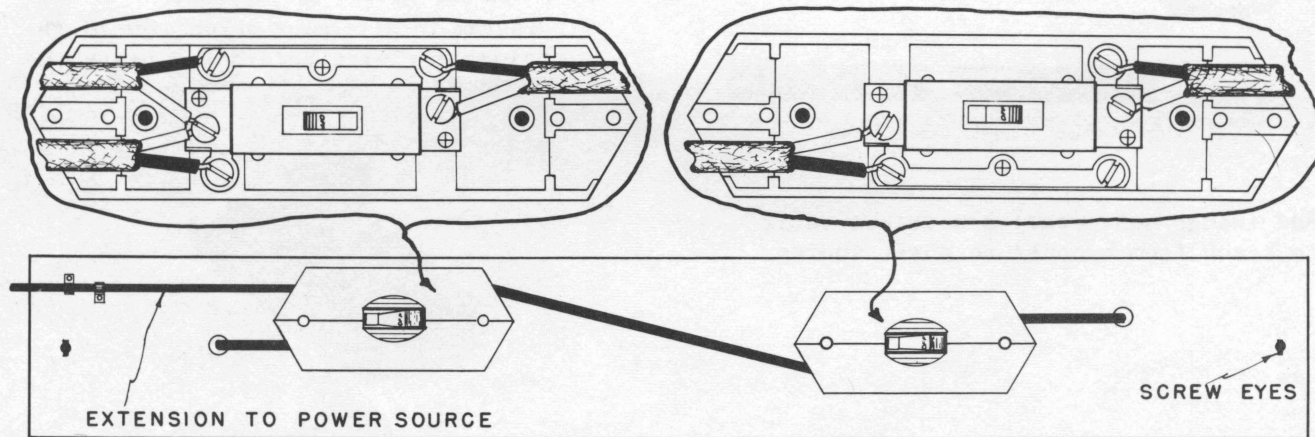
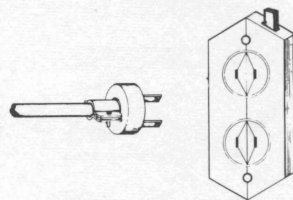
5. Replace lamp holder covers.
6. Turn the brooder over and pull the wire through the holes which you drilled.
7. Remove the covers and install the switches as shown in "detail of switch wiring" diagram.
8. Cut extension cord long enough to reach the power source and attach male plug.
9. Install a screw eye at each end of the brooder.



10. Suspend the brooder from the ceiling by fastening wire or small chains to the screw eyes in the brooder and hooks in the ceiling.
11. Install the lamps and adjust the brooder height so that the bottoms of the lamps are 18" above the floor or litter.



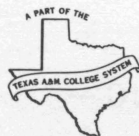
12. Plug the brooder into a 115 volt power source and it is ready to operate.



## DETAIL OF SWITCH WIRING — TOP VIEW OF BROODER

For additional information on chick management you can obtain the following bulletins from your county agricultural or home demonstration agent:

1. Broiler Production B-204
2. Growing Chicks for Flock Replacement C-298
3. Brooding Chicks With Infrared Lamps L-238



THE AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS  
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